

SUBSTITUTE ABSTRACT

A porous near-net-shape metallic parts with an open porosity of at least 10% by volume is made by first forming an injectable mass of a metallic powder of stainless steel, Ti, NiTi, or a titanium alloy, at least one thermoplastic binder, and at least one place holder. The mass then injection molded into the shape of the part to be produced, cooled, set in a capillary-active material, and subjected to a first-stage binder removal to produce an open porosity. The place holder is then removed at least partially from the part with a fluid, and the part is subjected to a thermal binder-removing process. Finally the part is sintered.